

## **CLAIM**

I CLAIM:

1. A sprinkler nozzle structure comprising:

a grip provided in an interior with a water channel extending along a longitudinal direction thereof, said grip further provided at a bottom end with a hose connector in communication with said water channel;

a trigger device fastened with said grip to clog and unclog said water channel of said grip;

a barrel provided in an interior with a water channel;

a flow control device fastened between a top end of said grip and an inner end of said barrel for regulating the flow of water moving from said water channel of said grip into said water channel of said barrel; and

a spray nozzle fastened with an outer end of said barrel for emitting the water in the form of a spray;

wherein said trigger device comprises:

an arresting surface disposed in an inner wall of a midesgment of said water channel of said grip;

an action rod provided at a top end with a stop edge, and at a bottom end with a locating slot whereby said action rod is movably disposed in said water channel of said grip such that said stop edge of said action rod is in contact with said arresting surface of said water

channel of said grip, so as to clog said water channel;

an actuation rod movably disposed in a slanted side tube of said grip such that an inner end of said actuation rod is located in said locating slot of said action rod, and that an outer end of said actuation rod is extended out of said water channel of said grip via said slanted side tube; and

a trigger pivoted to said grip such that said trigger is in contact with said outer end of said actuation rod whereby said trigger is activated by an external force such that said inner end of said actuation rod causes said action rod to displace, thereby resulting in separation of said stop edge of said action rod from said arresting surface of said water channel of said grip;

wherein said flow control device comprises:

a housing which is fastened between the top end of said grip and the inner end of said barrel and is provided with an upper through hole corresponding in location to said water channel of said barrel, and with a lower through hole corresponding in location to said water channel of said grip;

a control tube rotatably disposed in said housing and provided in an inner end with an upper through hole opposite to said upper through hole of said housing, said control tube further provided in the inner end with a lower through hole opposite to said lower through hole of said housing, said control tube further provided therein with a spring whereby said spring urges at one end thereof an inner wall of an outer end of said control tube such that other end of said spring urges an inner wall of an inner end of said housing; and

a control knob fastened with the outer end of said control tube for turning said control tube in such a way that said upper through hole and said lower through of said control tube are in a complete or partial alignment with said upper through hole and said lower through of said housing.